

Light Tools

**DC Controller
(Power Supply)**

INSTRUCTION & OPERATION MANUAL

**SK-DU1/UL/A
SK-DU2/UL/A**

CONTROLLERS

FOR

**FULLY AUTOMATIC DC
ELECTRIC SCREWDRIVERS**

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For Metal Assembly Screwdrivers:

**SKD-2000L/UL/B, SKD-2000L/CE/B, SKD-2200L/UL/B,
SKD-2200L/CE/B, SKD-2300L/UL/B, SKD-2300L/CE/B,
SKD-5200L/UL/B, SKD-5200L/CE/B, SKD-5200P/UL/B,
SKD-5200P/CE/B, SKD-5300L/UL/B, SKD-5300L/CE/B,
SKD-5300P/UL/B, SKD-5300P/CE/B**

WARNING

Important safety information enclosed.

Read all instructions before placing a tool in service or operation. The employer is responsible for ensuring the information in this manual is made available to the operator(s) of the tool. Failure to observe the following warnings could result in injury. When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

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SAVE THESE INSTRUCTIONS

SECTION 1 - IMPORTANT SAFETY INSTRUCTIONS

1. Work Area:

1-1 Keep your work area clean and unobstructed.

- Cluttered and poorly lit work areas invite accidents.

1-2 Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- Power tools create sparks which may ignite the dust or fumes.

1-3 Keep bystanders, children, and visitors away while operating a power tool.

- Distractions can cause you to lose control of the tool.

2. Electrical Safety:

2-1 Grounded tools must be plugged into a properly installed outlet and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use adapter plugs. Check with a qualified electrician if you think the outlet may not be properly grounded.

- If the tool should electrically malfunction or break down, proper grounding provides a low resistance path to carry electricity away from the user.

2-2 Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will only fit in a polarized outlet one way. If the plug does not fully fit in the outlet, reverse the plug. If the plug still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.

- Double insulation eliminates the need for the three-wire grounded power cord and grounded power supply system.

2-3 Avoid body contact with grounded items such as pipes, radiators, ranges and refrigerators.

- There is an increased risk of electric shock if your body is grounded.

2-4 Do not expose power tools to rain or wet conditions.

- Water entering a power tool will increase the risk of electric shock.

2-5 Do not operate power tools in damp or wet locations.

- Operating tools in these conditions will increase the risk of electric shock.

2-6 Do not abuse the cord. Never use the cord to carry a controller or yank the cord to disconnect the controller from an outlet. Keep the cord away from heat, oil, sharp edges, or moving parts. Immediately replace damaged cords.

- Damaged cords increase the risk of electric shock.

2-7 When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".

- These cords are rated for outdoor use and reduce the risk of electric shock.

3. Personal Safety:

3-1 Stay alert, watch what you are doing, and use common sense while operating a power tool. Do not use these tools while tired or under the influence of drugs, alcohol, or medications.

- A moment of inattention while operating a power tool may result in serious personal injury.

3-2 Dress properly. Do not wear loose clothing or jewelry. Tie back or contain long hair. Keep your hair, clothing, and gloves away from moving parts.

- Loose clothes, jewelry, or long hair can be caught in moving parts.

3-3 Avoid accidental starting. Be sure the switch is off before plugging in the tool.

- Carrying tools, with your finger on the switch or plugging in tools that have the switch "ON," invites accidents.

3-4 Do not overreach. Keep proper footing and balance at all times.

- Proper footing and balance enables better control of the tool in unexpected situations.

3-5 Use safety equipment. Always wear eye protection.

- Dust masks, non-slip safety shoes, hard hats, or hearing protection must be used when conditions warrant their use.

4. Tool Use and Care:

4-1 Use clamps or other practical ways to secure and support the work piece to a stable platform.

- Holding the work piece by hand or against your body is unstable and may lead to loss of control and injury.

4-2 Do not use the tool if the power switch does not turn the tool on or off.

- Any tool that cannot be controlled with the switch is dangerous and must be repaired.

4-3 Disconnect the plug from the power source before making any adjustments or storing the tool.

- These preventive safety measures reduce the risk of the tool accidentally starting.

4-4 Store idle controllers in a dry secure area out of reach of children and other untrained persons.

- Tools are dangerous in the hands of untrained users.

4-5 Maintain tools with care and, in accordance with, standard industrial practices.

- Properly maintain tools.

5. Service:

5-1 Power Controller service must be only performed by qualified repair personnel.

- Service or maintenance performed by unqualified personnel could result in a risk of injury.

5-2 When servicing a tool, use only factory provided replacement parts.

- Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

NOTICE

The use of other than genuine Dixon Automatic Tool replacement parts may result in decreased controller performance and increased maintenance, and may invalidate all warranties.

SECTION 2 - GROUNDING INSTRUCTIONS

1. The controller should be grounded while in use to protect the operator from electric shock.

Notice! To ensure proper grounding, the grounding conductor of the power cord must be well connected to the grounding terminal of the power facility. The tool is equipped with a three-conductor cord and three-prong grounding-type plug to fit the proper grounding-type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

Green and yellow ----- Ground

Blue ----- Neutral

Brown ----- Live

Extension cords:

Make sure your extension cord is in good condition. Use only three-wire extension cords that have three-prong grounding-type plugs and three-pole receptacles that accept the controller's plug. Replace or repair damaged cords.

When using an extension cord, only use cords heavy enough to carry the current your power

supply will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct cord size to use based on the cord length and nameplate ampere rating. If in doubt, use the next heavier gage cord. The smaller the cord gage number, the heavier the cord must be.

Minimum gage for cord length being used.

Total Length of Cord (in feet)			
0-25	26-50	51-100	101-150
AWG			
18	16	16	14

For safe use of adapters, the outlet box must be grounded. If there is any doubt about the connections, you should have a qualified electrician check the wiring connections.

SECTION 3 – OPERATOR CAUTIONS

- 1) When plugging and unplugging the screwdriver's electrical cord and the electrical cord of the power supply, firmly grasp the plug portion of cord.
- 2) Do not pull on the cord to unplug the unit. Do not put the controller near oil or hot objects. Do not position the controller where it will rub against sharp edges.
- 3) Do not drop the controller or treat it roughly.
- 4) Use ONLY the designated Dixon Light Tool screwdrivers covered by this manual. Do not use the power supply to power any other devices.
- 5) If the power supply overheats or the breaker behaves abnormally, immediately stop use of the unit and send it for repair.
- 6) Do not dismantle the power supply and attempt to make repairs on it. Send the unit to an authorized repair facility for repair.

CAUTION

- Do not drop or abuse the controller.
- When a controller is not being used, position the Power Switch to the "OFF" position and unplug the power cord.
- ☐ If you turn the power supply to "low," the screwdriver cannot be used at high capacity.

SECTION 4 – CONTROLLER SPECIFICATIONS

Power Supply Model	SK-DU1/UL/A	SK-DU2/UL/A
Input Voltage	AC 115V 50/60 Hz	
Output Voltage	Low DC 24V Hi DC 32V	
Output Current	Low / Hi MAX 5A	
Outside Dimensions(mm)	210*118*85	
Weight(kg)	2.5	
AC Cord Length (m)	2	
Applicable Models : SKD-2000L/UL/B,SKD-2000L/CE/B, SKD-2300L/UL/B,SKD-2300L/CE/B, SKD-5200L/UL/B,SKD-5200L/CE/B, SKD-5200P/UL/B,SKD-5200P/CE/B, SKD-5300L/UL/B,SKD-5300L/CE/B, SKD-5300P/UL/B,SKD-5300P/CE/B	Unit accepts one Screwdriver.	Unit accepts two Screwdrivers.

SECTION 5 – SERVICING

Maintenance and Inspection:

1. The power supply must be operated in top condition
2. Do not let the controller get over heated.

CAUTION

1. The use of other than genuine Dixon Automatic Tool replacement parts may result in decreased tool performance and increased maintenance, and may invalidate all warranties.
2. All repairs and maintenance of this tool must be performed by the factory.
3. Dixon Automatic Tool is not responsible for customer modification of tools for applications on which Dixon Automatic Tool was not consulted.
4. Repairs should be made only by authorized, trained personnel. Consult Dixon Automatic Tool for service.
5. It is the responsibility of the employer to place the information in this manual into the hands of the operator.

NOTICE

DO NOT ATTEMPT TO REPAIR THIS CONTROLLER

All repairs and maintenance of the Controller must be performed by the factory.

**SAVE THESE INSTRUCTIONS
DO NOT DESTROY**

